LINK-AWARE TRANSMISSION CONTROL PROTOCOL

ABSTRACT OF THE DISCLOSURE

In a TCP/IP network, congestion control techniques such as slow start and congestion avoidance are employed. Such networks include wired and wireless links.
5   However, normal operation of the wireless links exhibit different latencies than those exhibited over the wired link. The protocols employed in the wired network do not lend themselves well to efficient communication over wireless connections, and can cause slow start to be triggered. Determining when a sender will timeout due to non-receipt of an ACK, and intervening with a suppression message having an advertised window of
10   zero to pause the user, are employed to prevent congestion control mechanisms such as slow start and congestion avoidance from activation